|  |  |  |  |
| --- | --- | --- | --- |
| Mr. Michael T. Davis  Algebra II Delta & Eta | | Test - Unit III – First Half  Radicals, Exponentials, & Equations with Radicals  February 24, 2015 | |
| Name: | |

**Directions: You may not use a calculator that simplifies radical expressions for you. In order to receive full credit for correct answers, all the steps in your work must be shown.**

1. Simplify 
2. Simplify 
3. Simplify 
4. Simplify  and write the answer without negative exponents
5. Simplify  and write the answer without negative exponents
6. Simplify 
7. Simplify 
8. Simplify 
9. Simplify 
10. Simplify  and write the answer without negative exponents
11. Simplify 
12. Simplify 
13. Simplify 
14. Simplify each expression and write without negative exponents
15.  b. 
16. Simplify 
17. Solve 
18. Solve 
19. Solve 

Optional Challenge Problem

Solve 